

Notice of Allowability

Application No.

10/017,294

Applicant(s)

HATTORI ET AL.

Examiner

Art Unit

Barry W Taylor

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 18 December 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/25/02, 12/18/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-10 are allowed.
2. The following is an examiner's statement of reasons for allowance.

Prior art of record fails to teach or fairly suggest a card-type wireless communication device used for power consumption control wherein each independent claim (i.e. claims 1 and 6) require, inter alia, a receiving signal level detection block that outputs a plurality of different detection signals according to intensity of the high-frequency signal received through the antenna;

a first switching block that for turning on or off, for each of the transmitter circuit, the base-band signal processing circuit, and the interface circuit, power fed from the power supply circuit thereto;

a first memory block for storing data as to which of the transmitter circuit, the base-band signal processing circuit, and the interface circuit to turn on or off in association with each of the detection signals; and

a first control block for controlling the first switching block so as to turn on or off power fed to each of the transmitter circuit, the base-band signal processing circuit, and the interface circuit according to the detection signals and data stored in the first memory.

Prior art (5,471,655---Kivari) teaches conserving battery power by selectively turning on and off some receiver circuits at suitable time periods (col.4 lines 36-39).

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Unlike Applicants, Kivari does not use the signal level detection to be used as look-up to selectively turning on and off receiver components because the received signal itself does not provide a reliable indication of when to enter power save mode (see Kivari col. 12 lines 59-61).

Prior art (6,870,890---Yellin et al) teaches power saving by decoding by decoding received messages (abstract) and does not require using the power level of the signal to be used as a look-up to determine whether or not to turn some components off. Yellin uses symbols in received messages to conserve power.

Prior art (6,292,858---Inkinen et al) teaches an expansion card having power control feature controlled by using values stored in database (col. 2 lines 54-65, col. 6 lines 16-22 and lines 55-64) but does not use the power levels of the received signal as a look-up as required by Applicants independent claims 1 and 6.

Prior art (5,678,229---Seki et al) teaches a card-type wireless communication device (see 10 figures 1 and 2). However, as can be seen in figure 2, the radio modem accessory does not use the detected signal level from antenna (item 12 figure 2) as a look-up to selectively control components as required by Applicants independents claims 1 and 6.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Barry W. Taylor, telephone number (571) 272-7509, who is available Monday-Friday, 8am to 5pm.

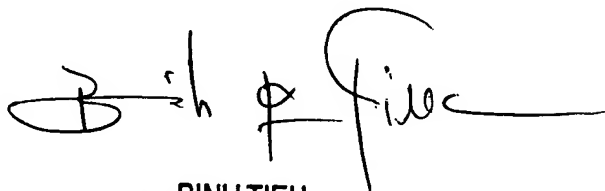
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz, can be reached at (571) 272-7499. The facsimile phone number for this group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 2600 receptionist whose telephone number is (571) 272-2600, the 2600 Customer Service telephone number is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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Art Unit 2643



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